



OFFICE OF SCIENCE & TECHNOLOGY

Chem-Bio Ensemble for Light Weight EOD Suit

Project Description:

The National Institute of Justice (NIJ), in collaboration with the Technical Support Working Group (TSWG), sponsored independent testing of various chemical and biological (C/B) protective ensembles--protective garments and breathing apparatus--with the Med-Eng SRS-5 bomb suit. The SRS-5 is a lightweight, flexible bomb suit that provides balanced protection for personnel who perform improvised explosive device (IED) searches and render safe procedures. When worn with the appropriate C/B protective undergarments, the SRS-5 also protects against contamination by chemical and biological agents that may be contained in an IED. The purpose of this testing was to characterize the effectiveness of different C/B protective ensembles utilized with the SRS-5 when subjected to the proximate detonation of an explosive device.



Status:

The project commenced in June 2000. Testing was completed in April 2001. Based on initial findings, NIJ is funding the development of an improved helmet that will be compatible with both the SRS-5 and MED ENG-8. A solicitation for development of such a helmet should be released through the TSWG in early FY04'.

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